

WHAT IS CLAIMED IS:

1. A communication system having a scanner and an image communication apparatus communicating with said scanner, comprising:

5        wireless communicating means for communicating between said image formation apparatus and said scanner via a wireless line;

         image read completion detecting means for detecting that said scanner completes image read; and

10        controlling means for releasing standby mode when said scanner completes image read.

2. The communication system according to claim 1, wherein said controlling means sends to said image communication apparatus a command to notify that the  
15        standby mode is released.

3. The communication system according to claim 1, further comprising:

20        selecting means for selecting printing of the image read by said scanner;

         request command sending means for sending a command to request start of transmission print data from said scanner to said image communication apparatus  
25        after the standby mode is released, if printing is selected; and

         image data transmission starting means in which

said scanner starts transmission of image data stored in a memory, when said scanner receives from said image communicating apparatus a command to permit start of transmission of print data.

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4. The communication system according to claim 1, further comprising:

selecting means for selecting transmission of the image read by said scanner to a communication line connected to said image communication apparatus;

request command sending means for sending a command to request start of transmission of transmission data from the scanner to the image communication apparatus after the standby mode is released, if transmission to said communication line is selected; and

image data transmission starting means in which said scanner starts transmission of image data stored in the memory when said scanner receives a command from said image communication apparatus a command to permit start of transmission of transmission data.

5. The communication system according to claim 1, wherein said wireless communicating means establishes a wireless link through an initial connection procedure, opens the wireless link if the standby state is continued for a given time period after establishing

the wireless link and performing predetermined communication between said image communication apparatus and said scanner, and makes transition to a low power consumption connection state not requiring the initial connection procedure, at the time of establishing the wireless link again.

6. The communication system according to claim 5, wherein if given time further passes after making transition to said low power consumption connection state, said wireless communicating means eliminates said low power consumption connection state to open the wireless connection, and makes transition to the state of carrying out said initial connection procedure at the time of establishing the wireless link again.

7. The communication system according to claim 1, wherein said wireless communicating means establishes a wireless link through an initial connection procedure, opens the wireless link if the standby state is continued for a given time period after establishing the wireless link and performing predetermined communication between said image communication apparatus and said scanner, and makes transition to the state of carrying out said initial connection procedure at the time of establishing the wireless link again.

8. The communication system according to claim 5, wherein said scanner is a portable scanner that can be detached from and attached to said image communication apparatus.

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9. A communication system having a scanner and an image communication apparatus communicating with said scanner, comprising:

10 wireless communicating means capable of performing wireless connection between said image communication apparatus and said scanner, and having a plurality of modes; and

15 mode changing means for changing mode of said wireless communicating means if the image read by said scanner is sent to said image communication apparatus depending on a predetermined operation of said scanner.

20 10. The communication system according to claim 9, wherein said mode changing means changes said mode in accordance with said predetermined operation and the mode of said wireless communicating means.

25 11. The communication system according to claim 9, wherein said predetermined operation is an operation for outputting the image read by said scanner by said image communication apparatus.

12. The communication system according to claim 11, wherein said output include both of or any one of print output and output to the communication line connected to said image communication apparatus.

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13. The communication system according to claim 9, wherein said mode changing means changes mode so that at least power consumption of said wireless communicating means is changed.

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14. The communication system according to claim 11, wherein said wireless communicating means performs communication based on the Bluetooth specification.

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15. The communication system according to claim 9, wherein said wireless communicating means establishes a wireless link through an initial connection procedure, opens the wireless link if the standby state is continued for a given time period after establishing the wireless link and performing predetermined communication between said image communication apparatus and said scanner, and makes transition to a low power consumption connection state not requiring the initial connection procedure, at the time of establishing the wireless link again.

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16. The communication system according to claim

15, wherein if given time further passes after making transition to said low power consumption connection state, said wireless communicating means eliminates said low power consumption connection state to open the wireless connection, and makes transition to the state of carrying out said initial connection procedure at the time of establishing the wireless link again.

17. The communication system according to claim 9, wherein said wireless communicating means establishes a wireless link through an initial connection procedure, opens the wireless link if the standby state is continued for a given time period after establishing the wireless link and performing predetermined communication between said image communication apparatus and said scanner, and makes transition to the state of carrying out said initial connection procedure at the time of establishing the wireless link again.

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18. A communication apparatus connectable wirelessly to a scanner having a plurality modes associated with wireless communication, comprising:

detecting means for detecting a predetermined operation; and

mode changing means for changing said mode of said scanner if the image read by said scanner is sent to

said image communication apparatus depending on detection by said detecting means.

19. A communication apparatus, comprising:  
5 determining means for determining existence/not existence of original for reading an image; and  
controlling means for performing control so that wireless communication with other apparatus is possible, based on the result of determination by said  
10 determining means.

20. A method for controlling a communication system having a scanner and an image communication apparatus communicating with said scanner, capable of  
15 performing wireless connection between said image communication apparatus and said scanner, and having wireless communicating means having a plurality of modes, comprising:  
changing mode of said wireless communicating means  
20 if the image read by said scanner is sent to said image communication apparatus depending on a predetermined operation.

21. A method for controlling a communication  
25 apparatus connectable wirelessly to a scanner having a plurality modes associated with wireless communication, comprising:

a detecting step of detecting a predetermined operation; and

a mode changing step of changing said mode of said scanner if the image read by said scanner is sent to  
5 said image communication apparatus depending on detection in said detecting step.

22. A method for controlling a communication apparatus, comprising:

10 a determining step of determining existence/not existence of original for reading an image; and

a controlling step of performing control so that wireless communication with other apparatus is possible, based on the result of determination in said  
15 determining step.